

Registry Number: 255852-09-6

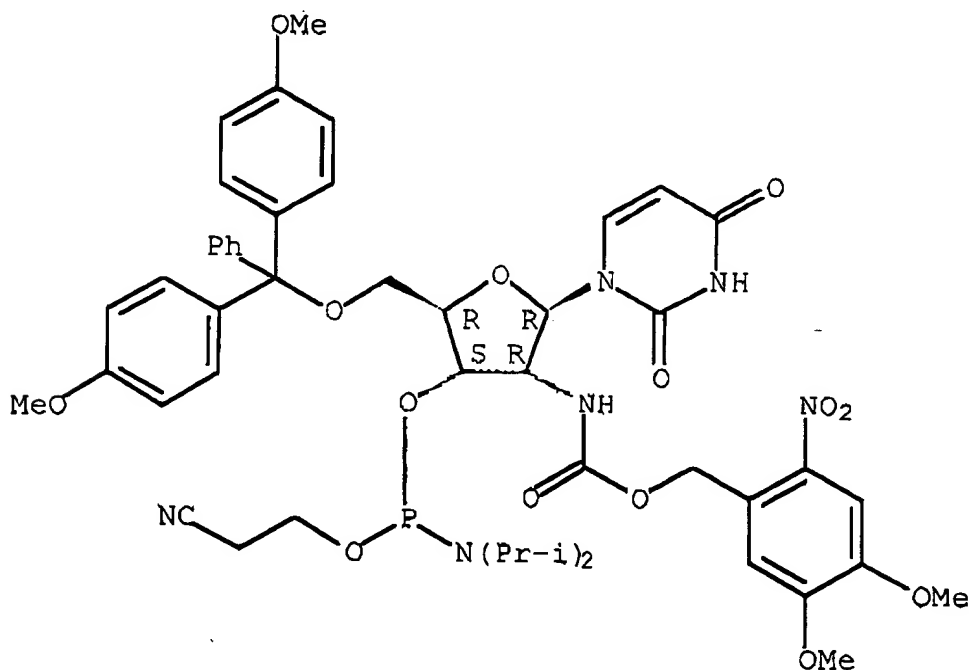
CA Index Name: Uridine,
5'-O-[bis(4-methoxyphenyl)phenylmethyl]-2'-deoxy-2'-[[[(4,5-dimethoxy-2-nitrophenyl)methoxy]carbonyl]amino]-, 3'-[2-cyanoethyl
bis(1-methylethyl)phosphoramidite] (9Cl)

Formula: C₄₉ H₅₇ N₆ O₁₄ P

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

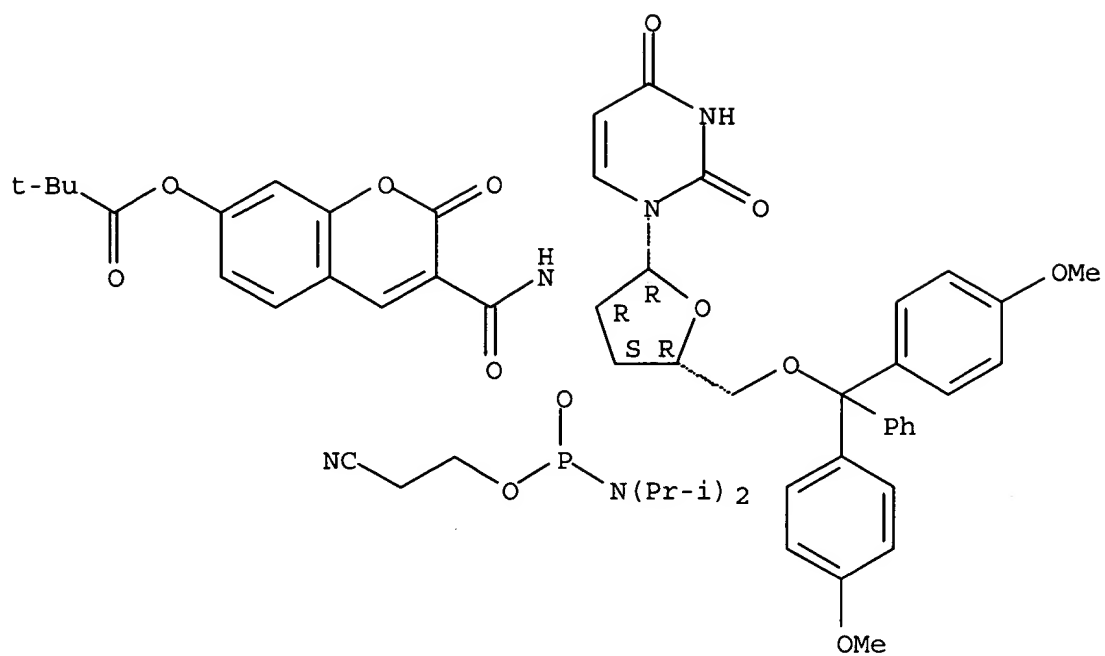
Absolute stereochemistry.



PROPERTY	VALUE	CONDITION	NOTE
H donors	2		ACD (1)
H acceptors	20		ACD (1)
Molecular Weight	984.98		ACD (1)
logP	9.877±0.950		ACD (1)
Freely Rotatable Bonds	25		ACD (1)
logD	6.78	pH 1	ACD (1)
logD	6.94	pH 4	ACD (1)
logD	9.30	pH 7	ACD (1)

282543-35-5P

Absolute stereochemistry.



Registry Number: 454464-20-1

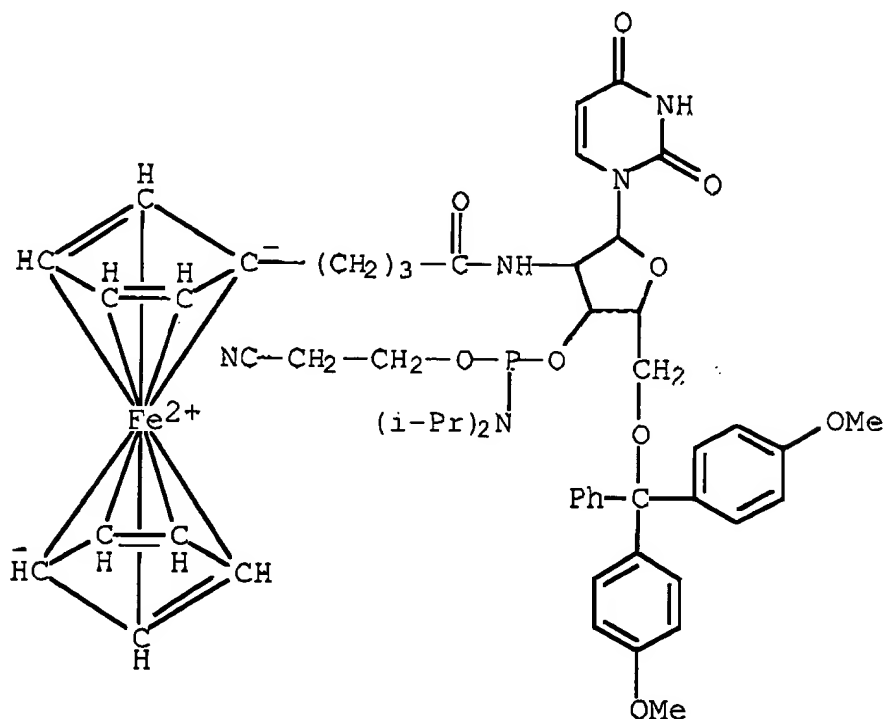
CA Index Name: INDEX NAME NOT YET ASSIGNED

Formula: C₅₃ H₆₂ Fe N₅ O₉ P

STN Files: CAPLUS, CA, USPATFULL

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Class Identifier: Coordination Compound



~1 Reference

Database

REGISTRY (COPYRIGHT 2002 ACS)

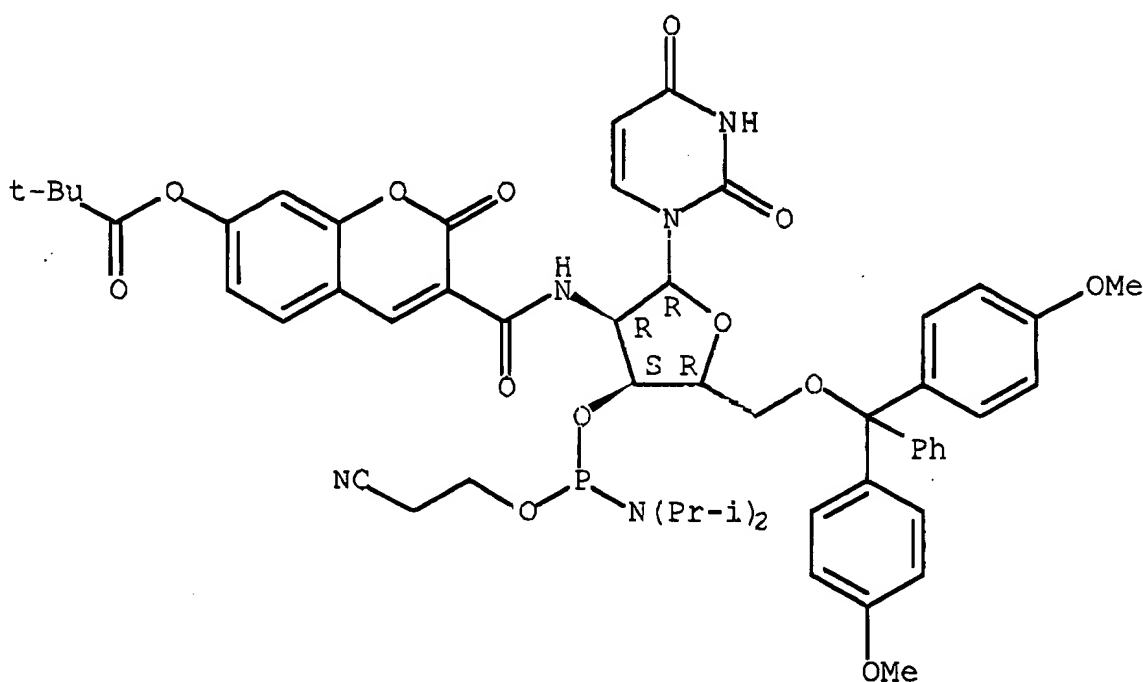
Registry Number: 282543-35-5

CA Index Name: Uridine,
 5'-O-[bis(4-methoxyphenyl)phenylmethyl]-2'-deoxy-2'-[[[7-(2,2-dimethyl-1-oxopropoxy)-2-oxo-2H-1-benzopyran-3-yl]carbonyl]amino]-,
 3'-[2-cyanoethyl bis(1-methylethyl)phosphoramidite] (9Cl)

Formula: C₅₄ H₆₀ N₅ O₁₃ P

STN Files: CAPLUS, CA

Absolute stereochemistry.



<u>PROPERTY</u>	<u>VALUE</u>	<u>CONDITION</u>	<u>NOTE</u>
H donors	2		ACD (1)
H acceptors	18		ACD (1)
Molecular Weight	1018.05		ACD (1)
logP	9.527±0.889		ACD (1)
Freely Rotatable Bonds	23		ACD (1)
logD	6.43	pH 1	ACD (1)
logD	6.59	pH 4	ACD (1)
logD	8.95	pH 7	ACD (1)
logD	9.36	pH 8	ACD (1)
logD	8.19	pH 10	ACD (1)
pKa	8.81±0.40	Most Acidic	ACD (1)
pKa	7.44±0.50	Most Basic	ACD (1)
Molar Solubility	Sparsingly Soluble	pH 1	ACD (1)

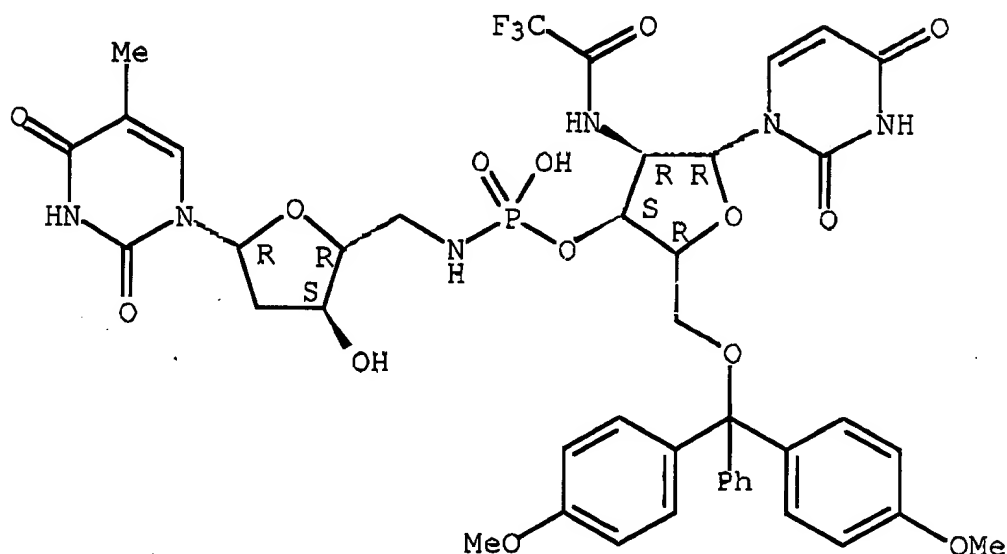
Registry Number: 182005-99-8

CA Index Name: Thymidine,
5'-O-[bis(4-methoxyphenyl)phenylmethyl]-2'-deoxy-2'-[(trifluoroacetyl)amino]uridylylimino-(3'→5')-5'-deoxy- (9CI)

Formula: C42 H44 F3 N6 O14 P

STN Files: CAPLUS, CA

Absolute stereochemistry.



<u>PROPERTY</u>	<u>VALUE</u>	<u>CONDITION</u>	<u>NOTE</u>
H donors	6		ACD (1)
H acceptors	20		ACD (1)
Molecular Weight	944.80		ACD (1)
logP	2.627±1.081		ACD (1)
pKa	6.40±0.50	Most Basic	ACD (1)

Notes

(1) Calculated using Advanced Chemistry Development (ACD) Software Solaris V4.67 (© 1994-2002 ACD)

~1 Reference

Database

REGISTRY (COPYRIGHT 2002 ACS)

Registry Number: 126139-47-7

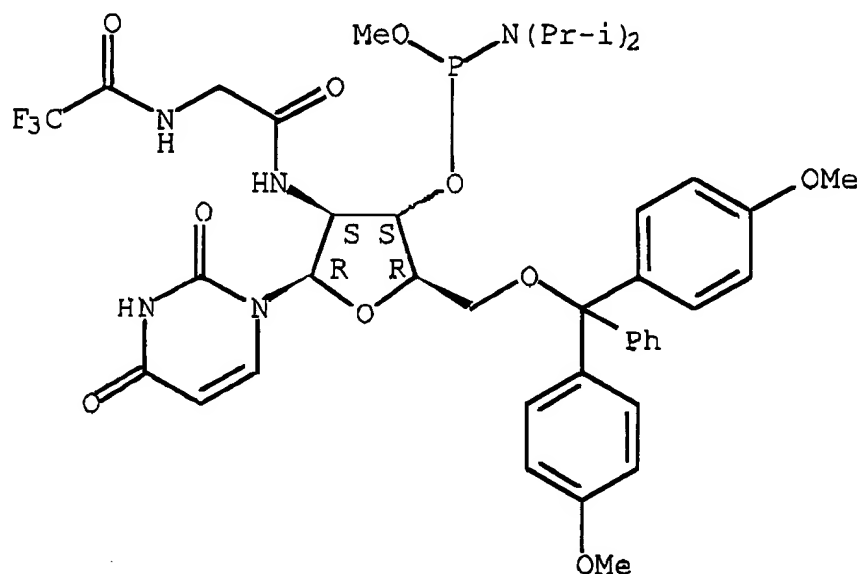
CA Index Name: 2,4(1H,3H)-Pyrimidinedione,
1-[5-O-[bis(4-methoxyphenyl)phenylmethyl]-3-O-[[bis(1-methylethyl)amino]methoxyphosphino]-2-deoxy-2-[[[(trifluoroacetyl)amino]acetyl]amino]- β -D-arabinofuranosyl]- (9Cl)

Formula: C41 H49 F3 N5 O10 P

STN Files: CAPLUS, CA, USPATFULL

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Absolute stereochemistry.



<u>PROPERTY</u>	<u>VALUE</u>	<u>CONDITION</u>	<u>NOTE</u>
H donors	3		ACD (1)
H acceptors	15		ACD (1)
Molecular Weight	859.82		ACD (1)
logP	8.222 \pm 1.151		ACD (1)
Freely Rotatable Bonds	20		ACD (1)
logD	5.12	pH 1	ACD (1)
logD	5.18	pH 4	ACD (1)
logD	7.22	pH 7	ACD (1)
logD	7.88	pH 8	ACD (1)
logD	6.59	pH 10	ACD (1)
pKa	8.81 \pm 0.40	Most Acidic	ACD (1)

Registry Number: 161016-72-4

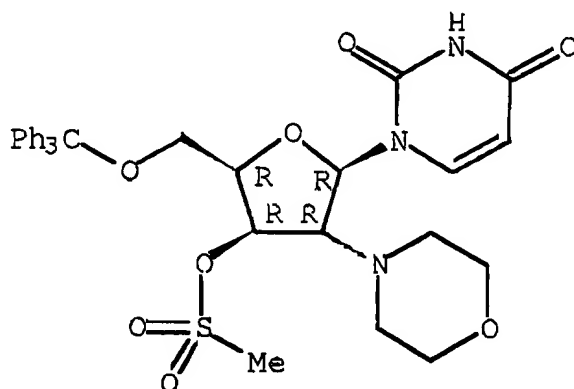
CA Index Name: 2,4(1H,3H)-Pyrimidinedione,
1-[2-deoxy-3-O-(methylsulfonyl)-2-(4-morpholinyl)-5-O-(triphenylmethy
l)- β -D-xylofuranosyl]- (9CI)

Formula: C33 H35 N3 O8 S

STN Files: CAPLUS, CA, CASREACT

(Additional Information is available through STN International. Contact your information specialist, a local CAS representative, or the CAS Help Desk for Assistance)

Absolute stereochemistry.



<u>PROPERTY</u>	<u>VALUE</u>	<u>CONDITION</u>	<u>NOTE</u>
H donors	1		ACD (1)
H acceptors	11		ACD (1)
Molecular Weight	633.71		ACD (1)
logP	4.521±0.648		ACD (1)
Freely Rotatable Bonds	10		ACD (1)
logD	1.63	pH 1	ACD (1)
logD	4.04	pH 4	ACD (1)
logD	4.51	pH 7	ACD (1)
logD	4.46	pH 8	ACD (1)
logD	3.31	pH 10	ACD (1)
pKa	8.81±0.40	Most Acidic	ACD (1)
pKa	4.30±0.20	Most Basic	ACD (1)
Molar Solubility	Sparingly Soluble	pH 1	ACD (1)
Molar Solubility	Sparingly Soluble	pH 4	ACD (1)
Molar Solubility	Sparingly Soluble	pH 7	ACD (1)
Molar Solubility	Sparingly Soluble	pH 8	ACD (1)